

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number
WO 2003/070234 A1

- (51) International Patent Classification⁷: A61K 31/13, 31/33
- (21) International Application Number: PCT/US2003/005032
- (22) International Filing Date: 19 February 2003 (19.02.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/079,049 19 February 2002 (19.02.2002) US
- (71) Applicant (for all designated States except US): CASE WESTERN RESERVE UNIVERSITY [US/US]; 10900 Euclid Avenue, Cleveland, OH 44106-7219 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GERSON, Stanton, L. [US/US]; 37995 Fairmount Blvd., Huntington Valley, OH 44022 (US). LIU, Lili [CA/US]; 616 Deer Path Lane, Northfield, OH 44067 (US).
- (74) Agents: VARMA, Anita et al.; Ropes & Gray, One International Place, Boston, MA 02110-2624 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published: — with international search report
- (48) Date of publication of this corrected version: 26 February 2004
- (15) Information about Correction: see PCT Gazette No. 09/2004 of 26 February 2004, Section II
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 2003/070234 A1

(54) Title: ALKYLATING AGENT COMBINATIONS IN THE TREATMENT OF CANCER

(57) Abstract: This application provides compositions and methods useful in the treatment of certain cancers. In part, this application is based on the recognition that certain molecules that target abasic lesions or AP sites in DNA improve, augment, or potentiate the chemotherapeutic efficacy of certain anticancer agents.